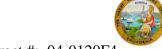
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES Office of Structural Materials Quality Assurance and Source Inspection

Bay Area Branch 690 Walnut Ave.St. 150 Vallejo, CA 94592-1133 (707) 649-5453 (707) 649-5493



Contract #: 04-0120F4

Cty: SF/ALA Rte: 80 PM: 13.2/13.9

File #: 69.28

WELDING INSPECTION REPORT

Resident Engineer: Siegenthaler, Peter **Report No:** WIR-019420 Address: 333 Burma Road **Date Inspected:** 20-Jan-2011

City: Oakland, CA 94607

OSM Arrival Time: 700 **Project Name:** SAS Superstructure **OSM Departure Time:** 1900 **Prime Contractor:** American Bridge/Fluor Enterprises, a JV

Contractor: Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

CWI Name: Oiu Wen. **CWI Present:** Yes No **Inspected CWI report:** Yes N/A **Rod Oven in Use:** Yes No No N/A N/A **Electrode to specification:** Yes No Weld Procedures Followed: Yes No N/A N/A **Qualified Welders:** Yes No **Verified Joint Fit-up:** Yes No N/A N/A Yes N/A **Approved Drawings:** Yes No **Approved WPS:** No Yes No N/A **Delayed / Cancelled:**

Bridge No: 34-0006 **Component:** OBG components.

Summary of Items Observed:

On this day CALTRANS OSM Quality Assurance Inspector (QA) Mr. Shailesh Wadkar was present during the times noted above for observations relative to the fabrication of the Self Anchored Suspension (SAS) Superstructure being performed by Zhenhua Port Machinery Company (ZPMC) at Changxing Island, in Shanghai, China. QA Inspector observed and/or found the following:

Bay 14:

This QA Inspector observed the following work in progress:

OBG Seg 13AW:

Repair welding of weld joint no: SEG3013AP'-086 [Floor Beam (FB) 3188A to Longitudinal Diaphragm (LD) 3034A, Complete Joint Penetration (CJP) weld at Panel Point (PP) 119]. The welder is identified as 067183 and was observed welding in the 4G position. Welding process was identified as Shielded Metal Arc Welding (SMAW). ZPMC QC was identified as Mr. Liu Feng. The welding variables recorded by this QC appeared to comply with WPS: 345-SMAW-4G(4F)-FCM-Repair. Repair welding was done as per Welding Repair Report (WRR): B-WR 19851 Rev-0.

Repair welding of weld joint no: SEG3013X-206 [FB3186A to Edge Beam (EB) 3031B, CJP weld]. The welder is identified as 067588 and was observed welding in the 3G position. Welding process was identified as SMAW. ZPMC QC was identified as Mr. Liu Feng. The welding variables recorded by this QC appeared to comply with

WELDING INSPECTION REPORT

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WPS: 345-SMAW-3G(3F)-FCM-Repair. Repair welding was done as per WRR: B-WR 19927 Rev-0.

The SMAW process on weld joint no: SEG3013E-116 [RS3428E stiffeners on Side Panel (SP) 3090E to FB3198A, CJP weld at PP119.65]. The welder is identified as 066163 and was observed welding in the 3G position. ZPMC QC was identified as Liu Feng. The welding variables recorded by QC appeared to comply with WPS: B-P-2213-TC-U4b-FCM-1.

The Flux Cored Arc Welding (FCAW) process on weld joint no: SEG3013AX-046 (FB3186A to X4321AD, CJP weld at PP119-1500). The welder is identified as 067876 and was observed welding in the 3G position. ZPMC QC was identified as Liu Feng. The welding variables recorded by QC appeared to comply with WPS: B-T-2233-ESAB.

OBG Seg 13BW and Seg 13CW:

The Submerged Arc Welding (SAW) process on weld joint no: OBW13A-001-016 [Deck Panel (DP) to DP, splice joint, CJP weld]. The welder is identified as 250050 and was observed welding in the 1G position. ZPMC QC was identified as Sun Tian Liang. The welding variables recorded by QC appeared to comply with WPS: B-T-223(2)1T-ESAB.

OBG Seg 14W:

Repair welding of weld joint no: SEG3020X-011 (LD to BP, CJP weld at PP125 to 125.5). The welder is identified as 066038 and was observed welding in the 1G position. Welding process was identified as SMAW. ZPMC QC was identified as Zhu Lin. The welding variables recorded by this QC appeared to comply with WPS: 345-SMAW-1G(1F)-FCM-Repair. Repair welding was done as per Critical Welding Repair (CWR) Report: CWR-2659 Rev-0.

The SMAW process on weld joint no: SEG3020F-063 (LD3051A to FB3337A, CJP weld at PP128]. The welder is identified as 037748 and was observed welding in the 4G position. ZPMC QC was identified as Zhu Lin. The welding variables recorded by QC appeared to comply with WPS: B-P-2214-TC-U4b-FCM-1.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

No significant conversations were reported on this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang; phone: 15000422372., who represents the Office of Structural Materials for your project.

WELDING INSPECTION REPORT

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Inspected By:	Wadkar,Sailesh	Quality Assurance Inspector
Reviewed By:	Peterson,Art	QA Reviewer